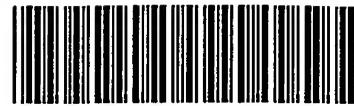# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/538,590_
Source: _I End_
Date Processed by STIC: _2/15/07_

ENTERED

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

IFWO

RAW SEQUENCE LISTING   DATE: 02/15/2007
PATENT APPLICATION: US/10/538,590   TIME: 16:39:10

Input Set : E:\CL2272 Sequence Listing.txt
Output Set: N:\CRF4\02132007\J538590.raw

```
     3 <110> APPLICANT: Ebersole, Richard C.
     4         Schwartz, Linda J.
     5         Jackson, Raymond E.
     7 <120> TITLE OF INVENTION: SEQUENCES DIAGNOSTIC FOR FOOT AND MOUTH DISEASE
     9 <130> FILE REFERENCE: CL2272
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/538,590
C--> 11 <141> CURRENT FILING DATE: 2005-06-15
    11 <150> PRIOR APPLICATION NUMBER: 60/434,974
    12 <151> PRIOR FILING DATE: 2002-12-20
    14 <160> NUMBER OF SEQ ID NOS: 21
    16 <170> SOFTWARE: Patent In version 3.2
    18 <210> SEQ ID NO: 1
    19 <211> LENGTH: 86
    20 <212> TYPE: DNA
    21 <213> ORGANISM: Artificial Sequence
    23 <220> FEATURE:
    24 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
    26 <400> SEQUENCE: 1
    27 ggccgcgccc ccggccactt ttggccattc acccgagcga agctagacac aaacaaaaga   60
    29 ttgtggcacc ggtgaaacag cttttg                                       86
    32 <210> SEQ ID NO: 2
    33 <211> LENGTH: 84
    34 <212> TYPE: DNA
    35 <213> ORGANISM: Artificial Sequence
    37 <220> FEATURE:
    38 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
    40 <400> SEQUENCE: 2
    41 agctttgacc tgctcaagtt ggcaggggac gtcgagtcca accctgggcc tttcttcttc   60
    43 tctgacgtta ggtcaaattt ttcc                                         84
    46 <210> SEQ ID NO: 3
    47 <211> LENGTH: 87
    48 <212> TYPE: DNA
    49 <213> ORGANISM: Artificial Sequence
    51 <220> FEATURE:
    52 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
    54 <400> SEQUENCE: 3
    55 aagttggttg aaaccatcaa ccagatgcag gaggacatgt caacaaaaca cggacccgac   60
    57 tttaaccggt tggtgtctgc atttgag                                      87
    60 <210> SEQ ID NO: 4
    61 <211> LENGTH: 89
    62 <212> TYPE: DNA
    63 <213> ORGANISM: Artificial Sequence
    65 <220> FEATURE:
```

```
 66 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
 68 <400> SEQUENCE: 4
 69 gaactggcca ccggagtgaa ggctatcagg accggtctcg atgaggccaa accctggtac    60
 71 aagctcatca agctcttgag ccgcctgtc                                      89
 74 <210> SEQ ID NO: 5
 75 <211> LENGTH: 85
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
 82 <400> SEQUENCE: 5
 83 atgtatggcc gctgtagcag cacggtcaaa ggacccagtc cttgtggcca tcatgctggc    60
 85 tgacaccggc cttgagattc tggac                                          85
 88 <210> SEQ ID NO: 6
 89 <211> LENGTH: 78
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial Sequence
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
 96 <400> SEQUENCE: 6
 97 agtacctttg tcgtgaagaa gatctccgac tcgctctcca gtctctttca cgtaccggcc    60
 99 cccgtcttca gtttcggg                                                  78
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 55
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
110 <400> SEQUENCE: 7
111 cttttgtttg tgtctagctt cgctcgggtg aatggccaaa agtggccggg ggcgc         55
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 59
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
122 <400> SEQUENCE: 8
123 acgtcccctg ccaacttgag caggtcaaag ctcaaaagct gtttcaccgg tgccacaat     59
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 85
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
134 <400> SEQUENCE: 9
135 ctcctgcatc tggttgatgg tttcaaccaa cttggaaaaa tttgacctaa cgtcagagaa    60
137 gaagaaaggc ccagggttgg actcg                                          85
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 86
```

RAW SEQUENCE LISTING   DATE: 02/15/2007
PATENT APPLICATION: US/10/538,590   TIME: 16:39:10

Input Set : E:\CL2272 Sequence Listing.txt
Output Set: N:\CRF4\02132007\J538590.raw

```
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
148 <400> SEQUENCE: 10
149 gtcctgatag ccttcactcc ggtggccagt tcctcaaatg cagacaccaa ccggttaaag    60
151 tcgggtccgt gttttgttga catgtc                                        86
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 83
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
162 <400> SEQUENCE: 11
163 accgtgctgc tacagcggcc atacatgaca ggcggctcaa gagcttgatg agcttgtacc    60
165 agggtttggc ctcatcgaga ccg                                           83
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 85
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
176 <400> SEQUENCE: 12
177 gagatcttct tcacgacaaa ggtactgtcc agaatctcaa ggccggtgtc agccagcatg    60
179 atggccacaa ggactgggtc ctttg                                         85
182 <210> SEQ ID NO: 13
183 <211> LENGTH: 54
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Linker for construction of synthetic FMD DNA
190 <400> SEQUENCE: 13
191 aattcccgaa actgaagacg ggggccggta cgtgaaagag actggagagc gagc          54
194 <210> SEQ ID NO: 14
195 <211> LENGTH: 32
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Primer Amplicon 5'
202 <400> SEQUENCE: 14
203 gcggccgcgc ccccggccac ttttggccat tc                                 32
206 <210> SEQ ID NO: 15
207 <211> LENGTH: 33
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Primer Amplicon 3'
214 <400> SEQUENCE: 15
215 gaattcccga aactgaagac ggggccggt acg                                 33
```

```
218 <210> SEQ ID NO: 16
219 <211> LENGTH: 27
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Primer P2-Fwd2, which binds to 3903-3929 bp of
GenBank AF308157
226 <400> SEQUENCE: 16
227 gagtccaacc ctgggccctt cttcttc                                    27
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 23
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Primer P33-4, which binds to 4086-4108 bp of
GenBank AF308157
238 <400> SEQUENCE: 17
239 atgagcttgt accagggttt ggc                                        23
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 29
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Primer P33+, which binds to 4083-4111 bp of
GenBank AF308157
250 <400> SEQUENCE: 18
251 ttgatgagct tgtaccaggg tttggcctc                                  29
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 30
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Primer LJS1, which binds to 4460-4489 bp of
GenBank AF308157
262 <400> SEQUENCE: 19
263 tctgaggcga tccatgcctt aatccagtcg                                 30
266 <210> SEQ ID NO: 20
267 <211> LENGTH: 25
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Primer LJS2, which binds to 4317-4341 bp of
GenBank AF308157
274 <400> SEQUENCE: 20
275 ggaagaaact cgaggcgacc ttgac                                      25
278 <210> SEQ ID NO: 21
279 <211> LENGTH: 516
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Synthetic FMD target
286 <400> SEQUENCE: 21
287 gcggccgcgc ccccggccac ttttggccat tcacccgagc gaagctagac acaaacaaaa  60
```

```
289 gattgtggca ccggtgaaac agcttttgag ctttgacctg ctcaagttgg caggggacgt      120
```

```
291 cgagtccaac cctgggcctt tcttcttctc tgacgttagg tcaaattttt ccaagttggt    180
293 tgaaaccatc aaccagatgc aggaggacat gtcaacaaaa cacggacccg actttaaccg    240
295 gttggtgtct gcatttgagg aactggccac cggagtgaag gctatcagga ccggtctcga    300
297 tgaggccaaa ccctggtaca agctcatcaa gctcttgagc cgcctgtcat gtatggccgc    360
299 tgtagcagca cggtcaaagg acccagtcct tgtggccatc atgctggctg acaccggcct    420
301 tgagattctg gacagtacct ttgtcgtgaa gaagatctcc gactcgctct ccagtctctt    480
303 tcacgtaccg gcccccgtct tcagtttcgg gaattc                             516
```

VERIFICATION SUMMARY   DATE: 02/15/2007
PATENT APPLICATION: US/10/538,590   TIME: 16:39:11

Input Set : **E:\CL2272 Sequence Listing.txt**
Output Set: **N:\CRF4\02132007\J538590.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date